



Organization Applicant

Street :
City :
State :
Country :
PostalCode : ____-____
PhoneNumber : ____-____-____
FaxNumber : ____-____-____
EmailAddress :

<110> OrganizationName : Ron S. Israeli et al.

Application Project

<120> Title : PROSTATE-SPECIFIC MEMBRANE ANTIGEN
<130> AppFileReference : 1769/41426-A-PCT-US/JPW/SHS
<140> CurrentAppNumber :
<141> CurrentFilingDate : ____-____-____

Sequence

<213> OrganismName : human
<400> PreSequenceString :
ctcaaaaggg gccggatttc cttctcctgg aggcagatgt tgccctctctc tctcgctcgg
60
attggttcag tgcactctag aaacactgct gtggtggaga aactggaccc caggtctgga
120
gcgaattcca gctgcaggg ctgataagcg aggcattagt gagattgaga gagactttac
180
ccgccgtgg tgggtggagg gcgcgcagta gagcagcagc acaggcgagg gtcccgagg
240
cccggtctg ctgcgcgca gatgtggaat ctccctcacg aaaccgactc ggctgtggcc
300
accgcgcgcc gccgcgctg gctgtgcgct ggggcgctgg tgctggcggg tggcttcttt
360
ctcctcggt tctcttcgg gtggtttata aaatcctcca atgaagctac taacattact
420
ccaagcata atatgaaagc atttttggat gaattgaaag ctgagaacat caagaagttc
480
ttatataatt ttacacagat accacattta gcaggaacag aacaaaactt tcagcttgca
540
aagcaaattc aatcccagtg gaaagaattt ggctggatt ctgttgagct agcacattat
600
gatgtcctgt tgcctaccc aaataagact catcccaact acatctcaat aattaatgaa
660
gatggaaatg agattttcaa cacatcatta ttgaaccac ctctccagg atatgaaaat
720
gtttcggata ttgtaccacc tttcagtgtc ttctctctc aaggaatgcc agagggcgat

780
ctagtgtatg ttaactatgc acgaactgaa gacttcttta aattggaacg ggacatgaaa
840
atcaattgct ctgggaaaat tgtaattgcc agatatggga aagttttcag aggaaataag
900
gttaaaaatg cccagctggc agggggccaaa ggagtcattc tctactccga ccttgctgac
960
tactttgctc ctgggggtgaa gtcctatcca gatgggttga atcttcttgg aggtgggtgc
1020
cagcgtggaa atatcctaaa tctgaatggg gcaggagacc ctctcacacc aggttaccca
1080
gcaaataaat atgcttatag gcgtggaatt gcagaggctg ttgggtcttcc aagtattcct
1140
gttcatccaa ttggatacta tgatgcacag aagctcctag aaaaaatggg tggctcagca
1200
ccaccagata gcagctggag aggaagtctc aaagtgcctt acaatgttgg acctggcttt
1260
actggaaact tttctacaca aaaagtcaag atgcacatcc actctaccaa tgaagtgaca
1320
agaatttaca atgtgatagg tactctcaga ggagcagtgg aaccagacag atatgtcatt
1380
ctgggaggtc accgggactc atgggtgttt ggtgggtattg acctcagag tggagcagct
1440
gttgttcatg aaattgtgag gagctttgga aactgaaaa aggaaggggtg gagacctaga
1500
agaacaattt tgtttgcaag ctgggatgca gaagaatttg gtcttcttgg ttctactgag
1560
tgggcagagg agaattcaag actccttcaa gagcgtggcg tggcttatat taatgctgac
1620
tcacttatag aaggaaacta cactctgaga gttgattgta caccgctgat gtacagcttg
1680
gtacacaacc taacaaaaga gctgaaaagc cctgatgaag gctttgaagg caaatctctt
1740
tatgaaaagt ggactaaaaa aagtccttcc ccagagttca gtggcatgcc caggataagc
1800
aaattgggat ctggaaatga ttttgagggtg ttcttccaac gacttggaat tgcttcaggc
1860
agagcacggt atactaaaaa ttgggaaaca aacaaattca gcggctatcc actgtatcac
1920
agtgtctatg aaacatatga gttgggtggaa aagttttatg atccaatgtt taaatatcac
1980
ctcactgtgg cccagggttcg aggagggatg gtgtttgagc tagccaattc catagtgtc
2040
ccttttgatt gtcgagatta tgctgtagtt ttaagaaagt atgctgacaa aatctacagt
2100
atttctatga aacatccaca ggaaatgaag acatacagtg tatcatttga ttcacttttt
2160
tctgcagtaa agaattttac agaaattgct tccaagttca gtgagagact ccaggacttt

2220
 gacaaaagca acccaatagt attaagaatg atgaatgatc aactcatggt tctggaaaga
 2280
 gcatttattg atccattagg gttaccagac aggccttttt ataggcatgt catctatgct
 2340
 ccaagcagcc acaacaagta tgcaggggag tcattcccag gaatttatga tgctctgttt
 2400
 gatattgaaa gcaaagtgga cccttccaag gcctggggag aagtgaagag acagatttat
 2460
 gttgcagcct tcacagtgca ggcagctgca gagactttga gtgaagtagc ctaagaggat
 2520
 tcttttagaga atccgtattg aatttgtgtg gtatgtcact cagaaagaat cgtaatgggt
 2580
 atattgataa attttaaaat tggatatatt gaaataaagt tgaatattat atataaaaaa
 2640
 aaaaaaaaaa aaa
 2653

<212> Type : DNA

<211> Length : 2653

SequenceName : Seq. Id. No. 1

SequenceDescription :

Custom Codon

 Sequence Name : Seq. Id. No. 1

Sequence

 <213> OrganismName : human

<400> PreSequenceString :

MWNLLHETDS AVATARRPRW LCAGALVLAG GFFLLGFLFG WFIKSSNEAT NITPKHNMKA
 60
 FLDELKAENI KKFLYNFTQI PHLAGTEQNF QLAQIQSQW KEFGLDSVEL AHYDVLLSYP
 120
 NKTHPNYISI INEDGNEIFN TSLFEPPPPG YENVSDIVPP FSAFSPQGMP EGDLVYVNYA
 180
 RTEDFFKLER DMKINCSGKI VIARYGKVFR GNKVNAQLA GAKGVILYSD PADYFAPGVK
 240
 SYPDGWNLP GGVQRGNILN LNGAGDPLTP GYPANEYAYR RGIAEAVGLP SIPVHPIGYY
 300
 DAQKLLKMG GSAPPDSSWR GSLKVPYNVG PGFTGNFSTQ KVKMHIHSTN EVTRIYNVIG
 360
 TLRGAVEPDR YVILGGHRDS WVFGGIDPQS GAAVVHEIVR SFGTLKKEGW RPRRTILFAS
 420
 WDAEEFGLLG STEWAEENSR LLQERGVAYI NADSSIEGNY TLRVDCTPLM YSLVHNLTKE
 480
 LKSPDEGFEG KSLYESWTKK SPSPEFSGMP RISKLGSGND FEVFFQRLKI ASGRARYTKN
 540

WETNKFSGYP LYHSVYETYE LVEKFYDPMF KYHLTVAQVR GGMVFELANS IVLPFDCRDY
600
AVVLRKYADK IYSISMKHPQ EMKTYSVSFD SLFSVKNFT EIASKFSERL QDFDKSNPIV
660
LRMMNDQLMF LERAFIDPLG LPDRPFYRHV IYAPSSHNKY AGESFPGIYD ALFDIESKVD
720
PSKAWGEVQR QIYVAAFTVQ AAAETLSEVA
750

<212> Type : PRT
<211> Length : 750
SequenceName : seq. Id. No. 2
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
SLYESWTK
8
<212> Type : PRT
<211> Length : 8
SequenceName : seq. Id. No 3
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
SYPDGXXLPG GGVQR
15
<212> Type : PRT
<211> Length : 15
SequenceName : seq. Id. No. 4
SequenceDescription :

Feature

Sequence: seq. Id. No. 4:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 15
Other Information : x=unknown
CDSJoin : No

Sequence

<213> OrganismName : human
<400> PreSequenceString :

FYDPMFK

7

<212> Type : PRT

<211> Length : 7

SequenceName : seq. Id. No. 5

SequenceDescription :

Sequence

<213> OrganismName : human

<400> PreSequenceString :

IYNVIGTLK

9

<212> Type : PRT

<211> Length : 9

SequenceName : seq. Id. No. 6

SequenceDescription :

Sequence

<213> OrganismName : human

<400> PreSequenceString :

FLYXXTQIPH LAGTEQNFQL AK

22

<212> Type : PRT

<211> Length : 22

SequenceName : seq. Id. No 7

SequenceDescription :

Feature

Sequence: seq. Id. No 7:

<221> FeatureKey : misc

<222> LocationFrom : 1

<222> LocationTo : 22

Other Information : x=unknown

CDSJoin : No

Sequence

<213> OrganismName : human

<400> PreSequenceString :

GVILYSDPAD YFAPDVK

17

<212> Type : PRT

<211> Length : 17

SequenceName : seq. Id. No. 8

SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
PVILYSDPAD YFAPGVK
17
<212> Type : PRT
<211> Length : 17
SequenceName : seq. Id. No. 9
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
AFIDPLGLPD RPFYR
15
<212> Type : PRT
<211> Length : 15
SequenceName : seq. Id. No. 10
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
YAGESFPGIY DALFDIESK
19
<212> Type : PRT
<211> Length : 19
SequenceName : seq. Id. No. 11
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
TILFASWDAE EFGXXGSTEE AE
22
<212> Type : PRT
<211> Length : 22
SequenceName : seq. Id. No. 12
SequenceDescription :

Feature

Sequence: seq. Id. No. 12:

<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 22
Other Information : x=unknown
CDSJoin : No

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
tтыtaygayc cnatgtt
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 13
SequenceDescription :

Feature

Sequence: seq. Id. No. 13:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 16
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 13

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
aacatnggrt crtaraa
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 14
SequenceDescription :

Feature

Sequence: seq. Id. No. 14:
<221> FeatureKey : misc
<222> LocationFrom : 1
<222> LocationTo : 16
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 14

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
athtayaayg tnathgg
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 15
SequenceDescription :

Feature

Sequence: seq. Id. No. 15:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 15

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccdatnacrt trtadat
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 16
SequenceDescription :

Feature

Sequence: seq. Id. No. 16:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 16

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccngcngayt ayttygc
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 17
SequenceDescription :

Feature

Sequence: seq. Id. No. 17:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 17

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
gcraartart ncgcngg
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 18
SequenceDescription :

Feature

Sequence: seq. Id. No. 18:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 18

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
acngarcara ayttycarct
20
<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 19
SequenceDescription :

Feature

Sequence: seq. Id. No. 19:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 19

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
agytgraart tytgytcngt
20
<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 20
SequenceDescription :

Feature

Sequence: seq. Id. No. 20:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown

CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 20

Sequence

<213> OrganismName : artificial;primer

<400> PreSequenceString :

garcaraayt tycarct

17

<212> Type : DNA

<211> Length : 17

SequenceName : seq. Id. No. 21

SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 21

Sequence

<213> OrganismName : artificial;primer

<400> PreSequenceString :

agytgraart tytgytc

17

<212> Type : DNA

<211> Length : 17

SequenceName : seq. Id. No. 22

SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 22

Sequence

<213> OrganismName : artificial;primer

<400> PreSequenceString :

tgggaygcng argarttygg

20

<212> Type : DNA

<211> Length : 20

SequenceName : seq. Id. No. 23

SequenceDescription :

Feature

Sequence: seq. Id. No. 23:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 23

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ccraaytcyt cngcrtccca
20
<212> Type : DNA
<211> Length : 20
SequenceName : seq. Id. No. 24
SequenceDescription :

Feature

Sequence: seq. Id. No. 24:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 20
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 24

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
tgggaygcng argartt
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 25
SequenceDescription :

Feature

Sequence: seq. Id. No. 25:

<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 25

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
aaytcytcng crtccca
17
<212> Type : DNA
<211> Length : 17
SequenceName : seq. Id. No. 26
SequenceDescription :

Feature

Sequence: seq. Id. No. 26:

<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 17
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 26

Sequence

<213> OrganismName : chicken
<400> PreSequenceString :
tacacttatc ccattcggac atgccacac tggaaactgga gacccttaca ccccaggctt
60
cccttcgttc aaccacaccc annngtttcc accagttgaa tcttcaggac taccccacat
120
tgctgttcag accatctcta gcagtcgagc agccaggctg ttcagcaaaa tggatggaga
180
cacatgctct ganagnngtt ggaaagggtgc gatccannnt tcctgtaagg tnngacnnaa
240

```

caaagcagga gannnngcca gantaatggt gaaactagat gtgaacaatt ccatgaaaga
 300
caggaagatt ctgaacatct tcggtgctat ccagggattt gaagaacctg atcggtatgt
 360
tgtgattgga gcccagagag actcctgggg cccaggagtg gctaaagctg gcactggaac
 420
tgctatattg ttggaacttg cccgtgtgat ctcagacata gtgaaaaacg agggctacaa
 480
accgaggcga agcatcatct ttgctagctg gagtgcagga gactacggag ctgtgggtgc
 540
tactgaatgg ctggaggggt actctgccat gctgcatgcc aaagctttca cttacatcan
 600
ngcttgatg ctccagtcct gggagcaagc catgtcaaga tttctgccag ccccttgctg
 660
tatatgctgc tggggagtat tatgaagggg gtgaagaatc cagcagcagt ctcagagagc
 720
nnnnctctat aacagacttg gccagactg ggtaaaagca gttgttcctc ttggcctgga
 780

```

```

<212> Type : DNA
<211> Length : 780
      SequenceName : seq. Id. No. 27
      SequenceDescription :

```

Feature

```

Sequence: seq. Id. No. 27:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 780
      Other Information : n=unknown
      CDSJoin : No

```

Custom Codon

```

Sequence Name : seq. Id. No. 27

```

Sequence

```

<213> OrganismName : rat
<400> PreSequenceString :
tgcagaaaag ctattcaaaa acatggaagg aaactgtcct cctagttgga atatagattc
 60
ctcatgtaag ctggaacttt cacagaatca aaatgtgaag ctactgtga acaatgtact
 120
gaaagaaaca agaatactta acatctttgg cgttattaaa ggctatgagg aaccagaccg
 180
ctacattgta gtaggagccc agagagacgc ttggggccct ggtngttgcg aagtccagtg

```

240
 tgggaacagg tcttntctgtt gaaacttgcc caagtattct cagatatgat ttcaaaagat
 300
 ggatttagac ccagcaggag tattatcttt gccagctgga ctgcaggaga ctatggagct
 360
 gttggtccga ctgagtggct ggaggggtac ctttcatctt tgcactctaaa gnnngctttc
 420
 acttacatta atnctggata aagtcgtcct gggtagtagc aacttcaagg tttctgccag
 480
 cccctatta tatacactta tggggaagat aatgcaggan ncgtaaagca tccgannnnn
 540
 nnnttgatgg aaaatatcta tatcgaaaca gtaattggat tagcaaaatt gaggaacttt
 600
 ccttggacaa tgctgcattc ccttttcttg catattcagg aatcccagca gtttctttct
 660

<212> Type : DNA
 <211> Length : 660
 SequenceName : seq. Id. No. 28
 SequenceDescription :

Feature

 Sequence: seq. Id. No. 28:
 <221> FeatureKey : misc.
 <222> LocationFrom : 1
 <222> LocationTo : 660
 Other Information : n=unknown
 CDSJoin : No

Custom Codon

 Sequence Name : seq. Id. No. 28

Sequence

 <213> OrganismName : human
 <400> PreSequenceString :
 tatggaaggagactgtccctctgactggaaaacagactctacatgtaggatggtaacctcagaaagc
 aagaatgtgaagctcactgtgagcaatgtgctgaaagagataaaaattcttaacatctttggagtta
 ttaaaggctttgtagaaccagatcactatgttgtagttggggcccagagagatgcatggggccctgg
 agctgcaaaatcncggtgtaggcacagctctcctattgaaacttgcccagatgttctcagatatggg
 cttaaaagatgggtttcagcccagcagaagcattatctttgccagttggagtgtgagactttgga
 tcggttggtgccactgaatggctagagggatacctttcgctcncctgcatttaaggcctttcacttat
 attaatctggataaagcgggttcttggtaccagcaacttcaaggtttctgccagcccactgttgata
 cgcttattgagaaaacaatgcaaaatgtgaagcatccggttactgggcaatttctatatcaggacag
 caac
 <212> Type : DNA

<211> Length : 540
SequenceName : seq. Id. No. 29
SequenceDescription :

Feature

Sequence: seq. Id. No. 29:
<221> FeatureKey : misc.
<222> LocationFrom : 1
<222> LocationTo : 540
Other Information : n=unknown
CDSJoin : No

Custom Codon

Sequence Name : seq. Id. No. 29

Sequence

<213> OrganismName : artificial
<400> PreSequenceString :
acggagcaaa actttcagct tgcaaag
27
<212> Type : DNA
<211> Length : 27
SequenceName : seq. Id. No.30
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No.30

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
TEQNFQLAK
9
<212> Type : PRT
<211> Length : 9
SequenceName : seq. Id. No.31
SequenceDescription :

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
ctcttcggca tcccagcttg caaacaaaat tgttct

36

<212> Type : DNA
<211> Length : 36
SequenceName : seq. Id. No. 32
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 32

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
agaacaattt tgtttgcaag ctgggatgcc aaggag
36

<212> Type : DNA
<211> Length : 36
SequenceName : seq. Id. No. 33
SequenceDescription :

Custom Codon

Sequence Name : seq. Id. No. 33

Sequence

<213> OrganismName : artificial;primer
<400> PreSequenceString :
RTILFASWDA EE
12

<212> Type : PRT
<211> Length : 12
SequenceName : seq. Id. No. 34
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
DELKAE
6

<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 35
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
NEDGNE
6
<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 36
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
KSPDEG
6
<212> Type : PRT
<211> Length : 6
SequenceName : seq. Id. No. 37
SequenceDescription :

Sequence

<213> OrganismName : human
<400> PreSequenceString :
AGALVLAGGF FLLGFLF
17
<212> Type : PRT
<211> Length : 17
SequenceName : seq. Id. No. 38
SequenceDescription :
